This Page Is Inserted by IFW Operations
and is not a part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

IMAGES ARE BEST AVAILABLE COPY.

As rescanning documents *will not* correct images, please do not report the images to the Image Problem Mailbox.

00022T" 7625h760

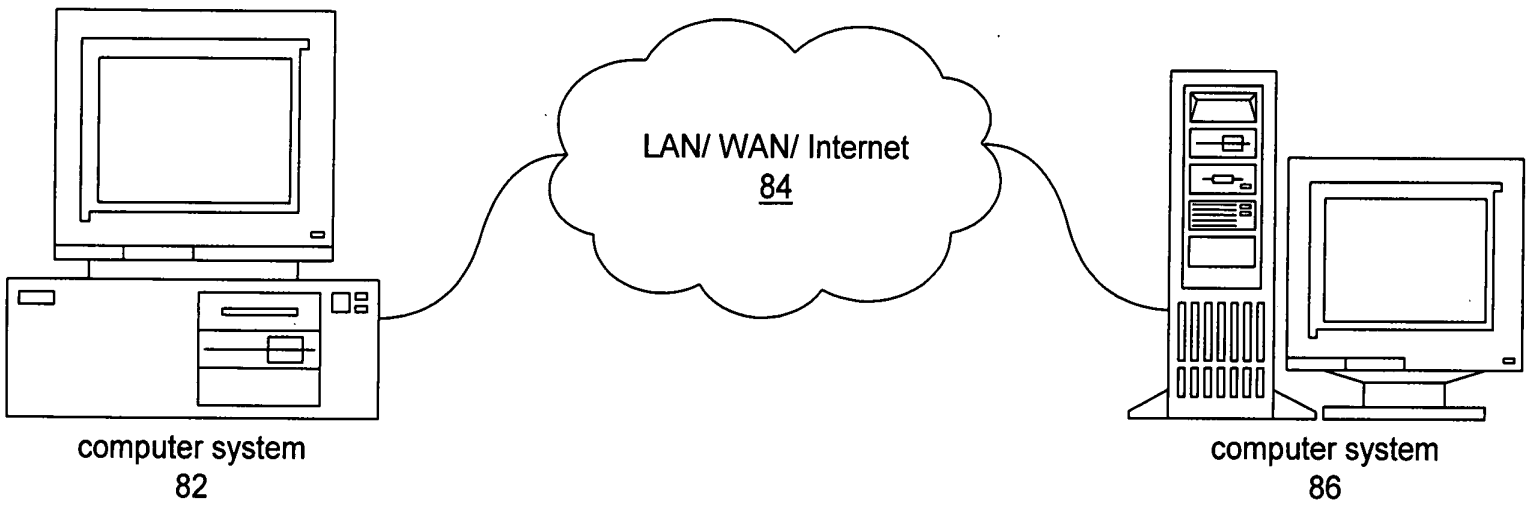

FIG.1

00022T "625A260

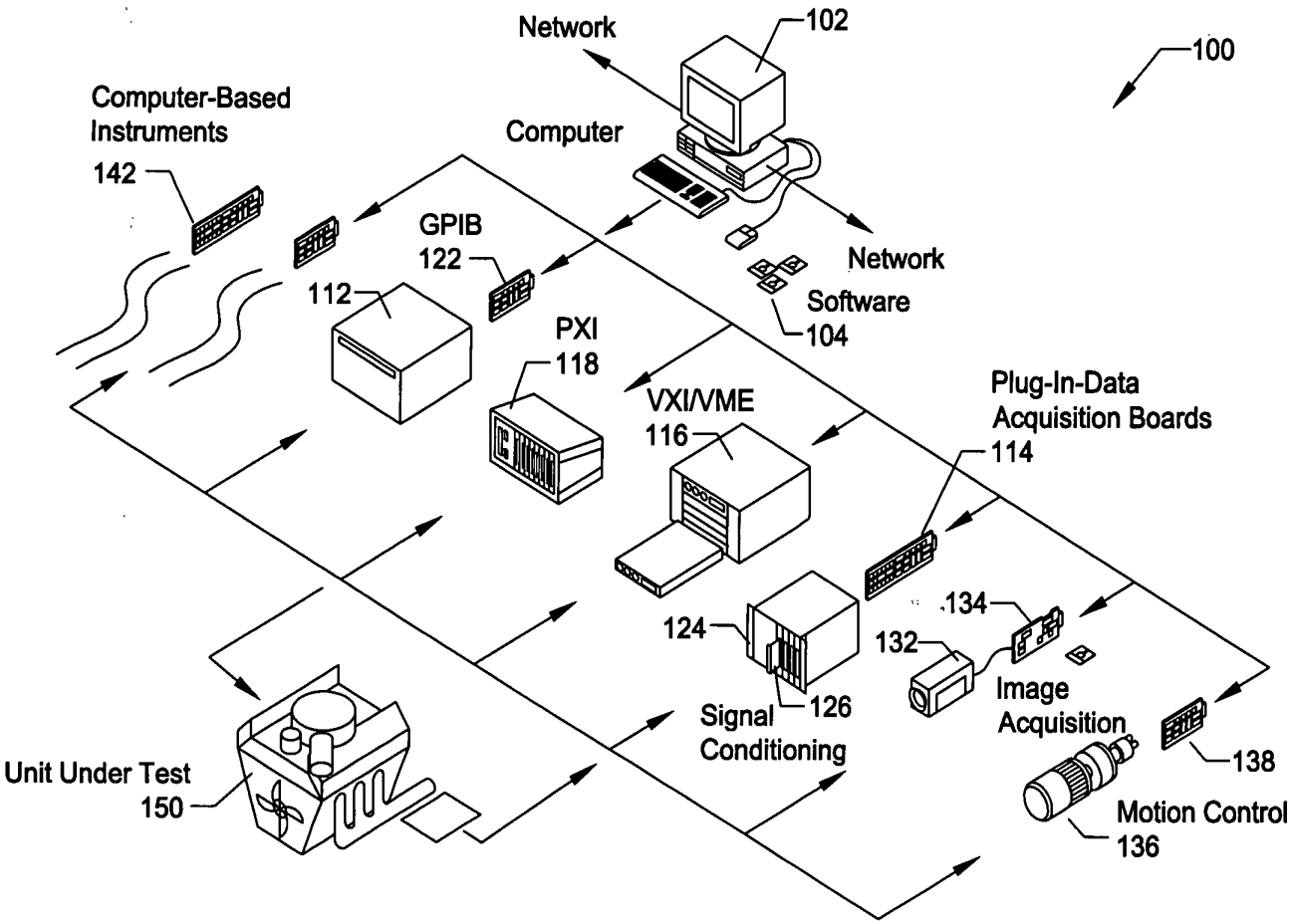

FIG. 2A

00021" 2625h260

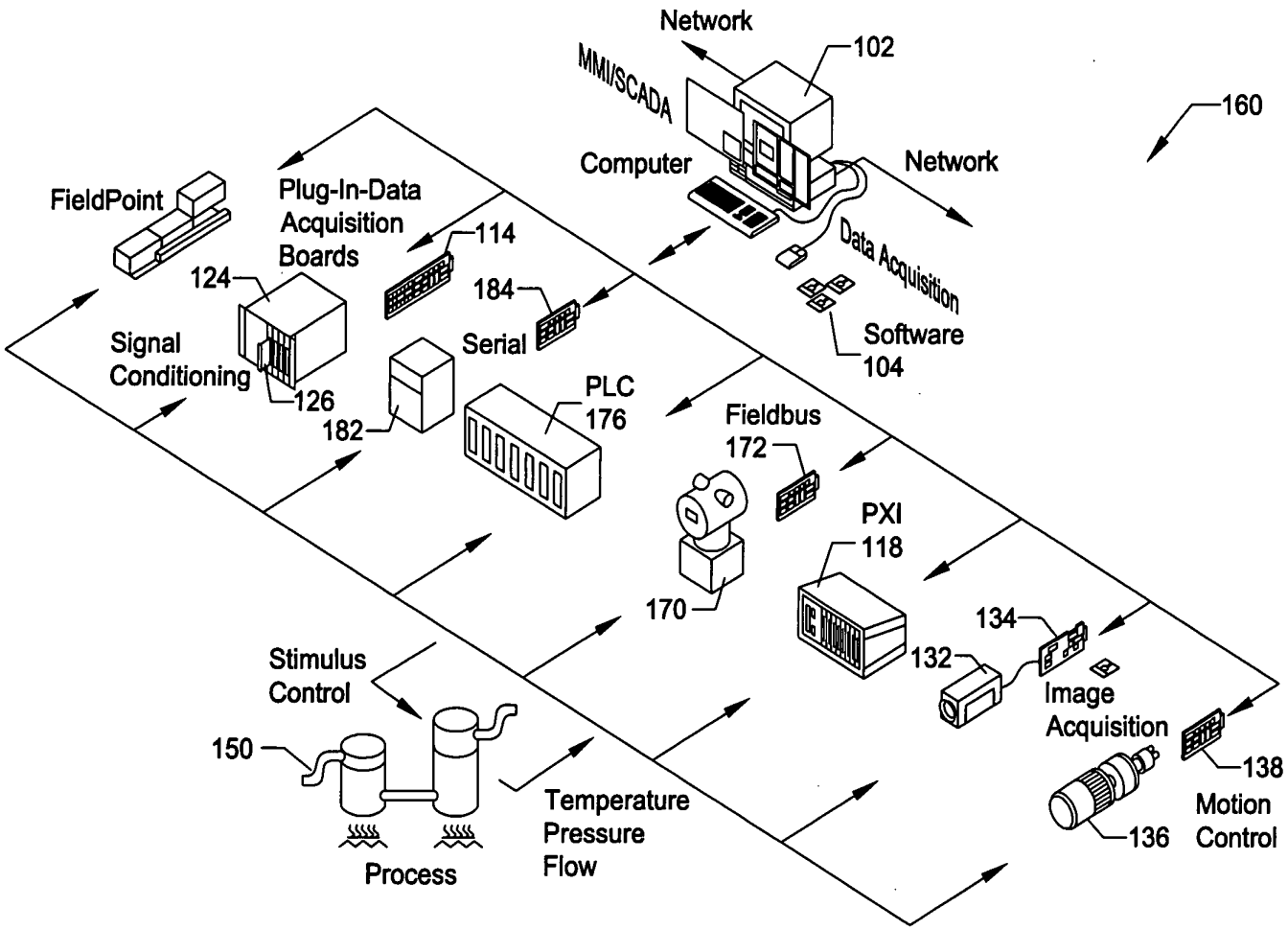

FIG. 2B

00022T "2625h260

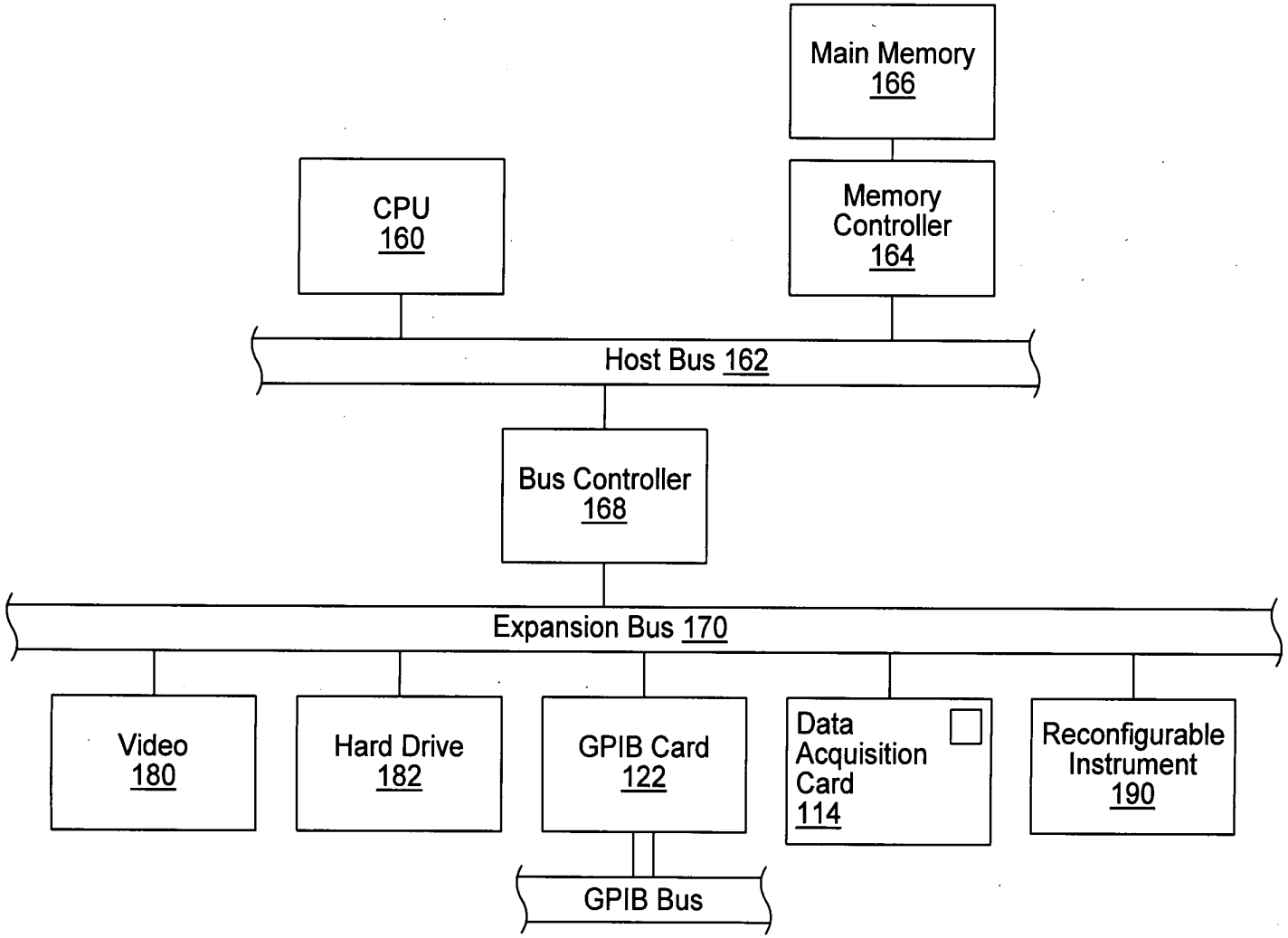

FIG. 3

00021.265460

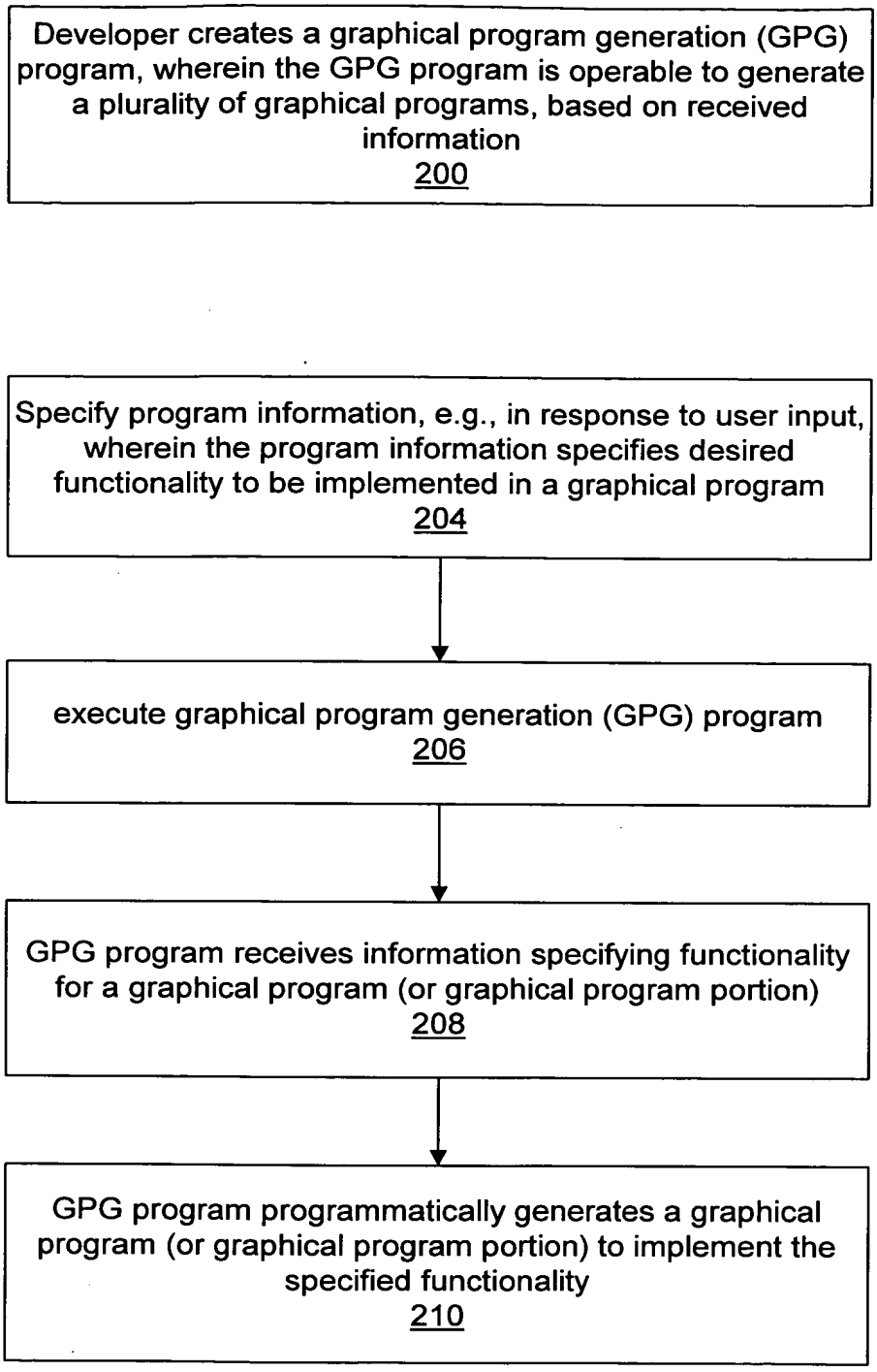

FIG. 4

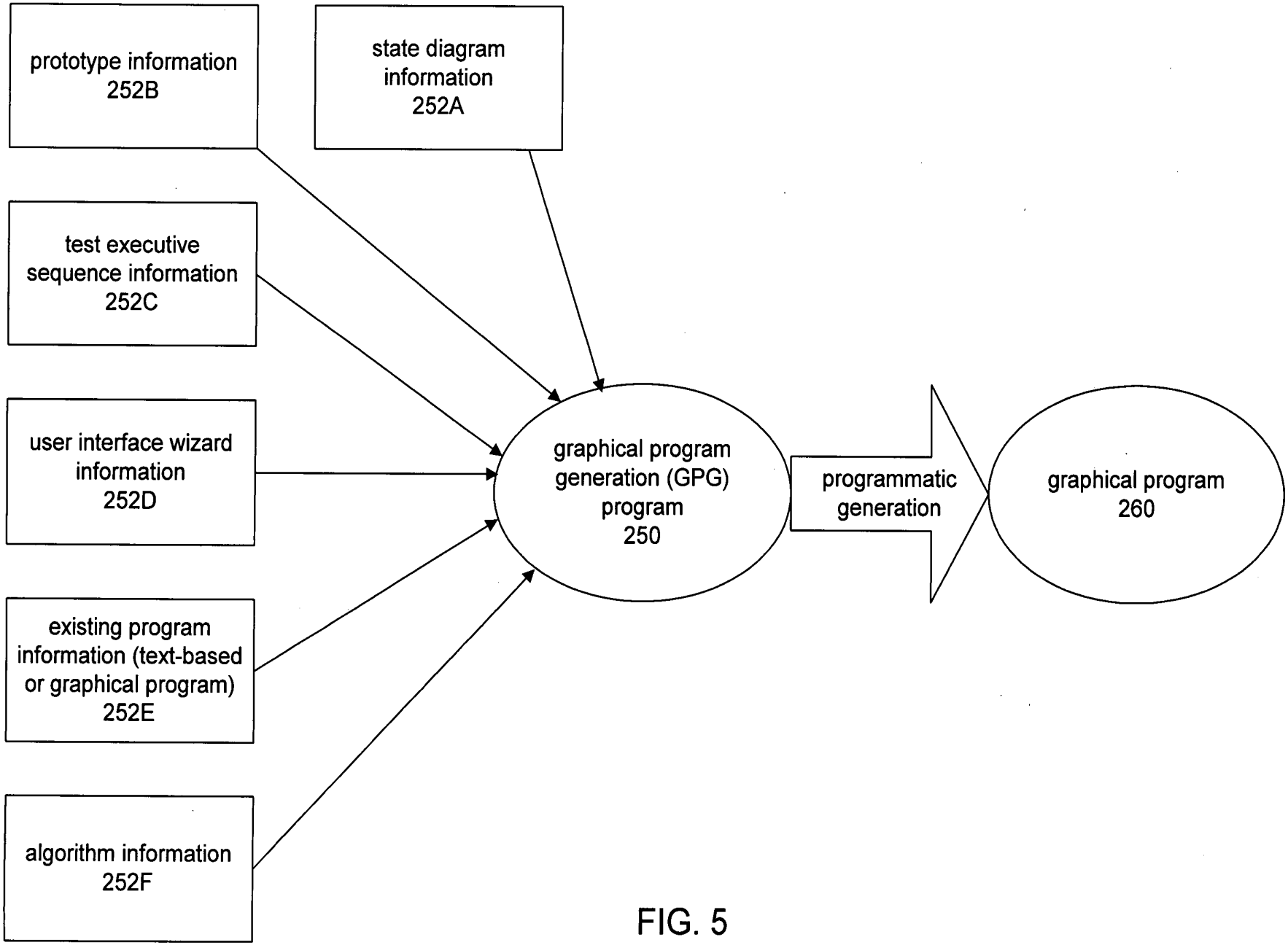
prototype information
252B
state diagram
information
252A
test executive
sequence information
252C
user interface wizard
information
252D
existing program
information (text-based
or graphical program)
252E
algorithm information
252F
graphical program
generation (GPG)
program
250
programmatic
generation
graphical program
260

FIG. 5

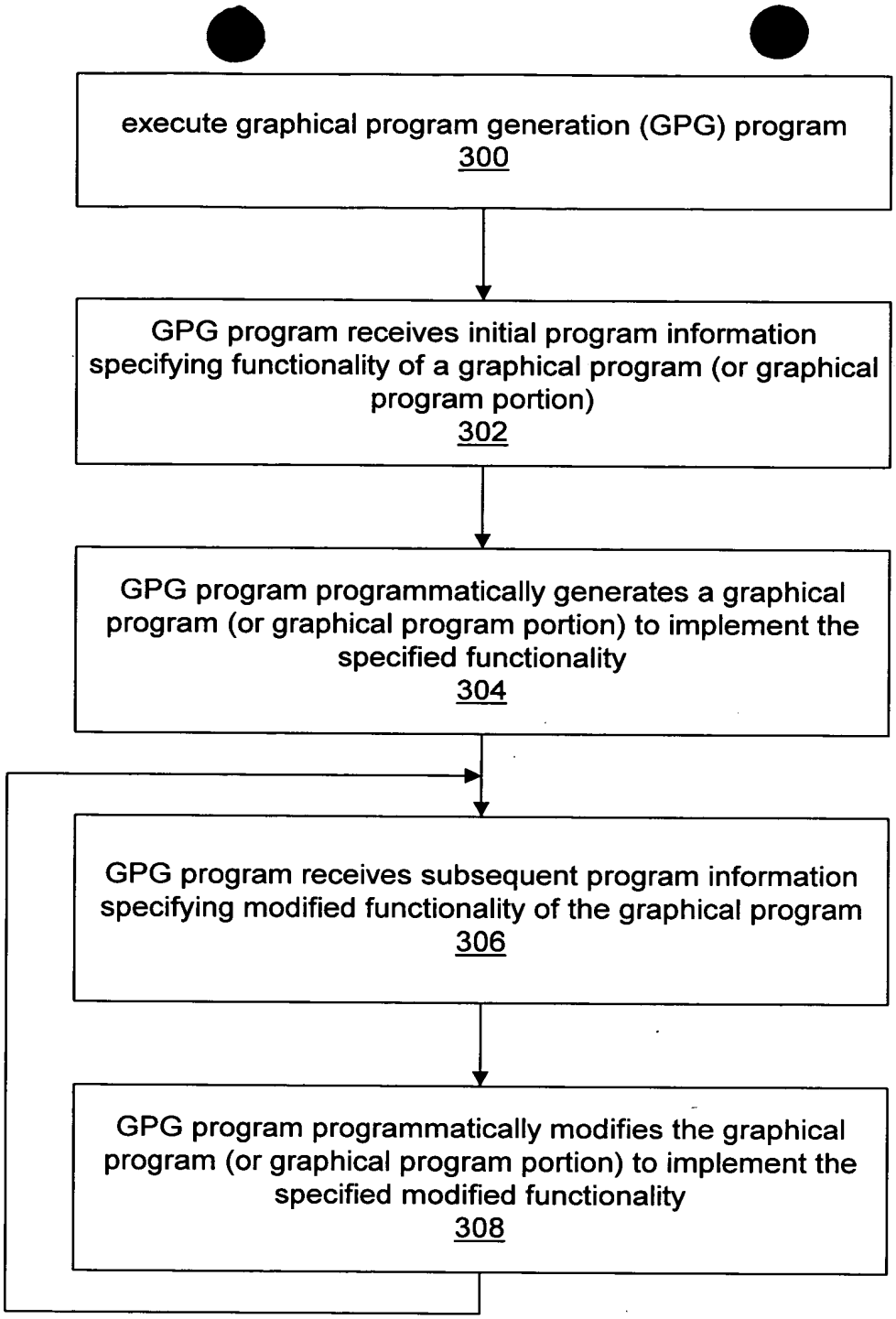
execute graphical program generation (GPG) program
300
GPG program receives initial program information specifying functionality of a graphical program (or graphical program portion)
302
GPG program programmatically generates a graphical program (or graphical program portion) to implement the specified functionality
304
GPG program receives subsequent program information specifying modified functionality of the graphical program
306
GPG program programmatically modifies the graphical program (or graphical program portion) to implement the specified modified functionality
308

FIG. 6

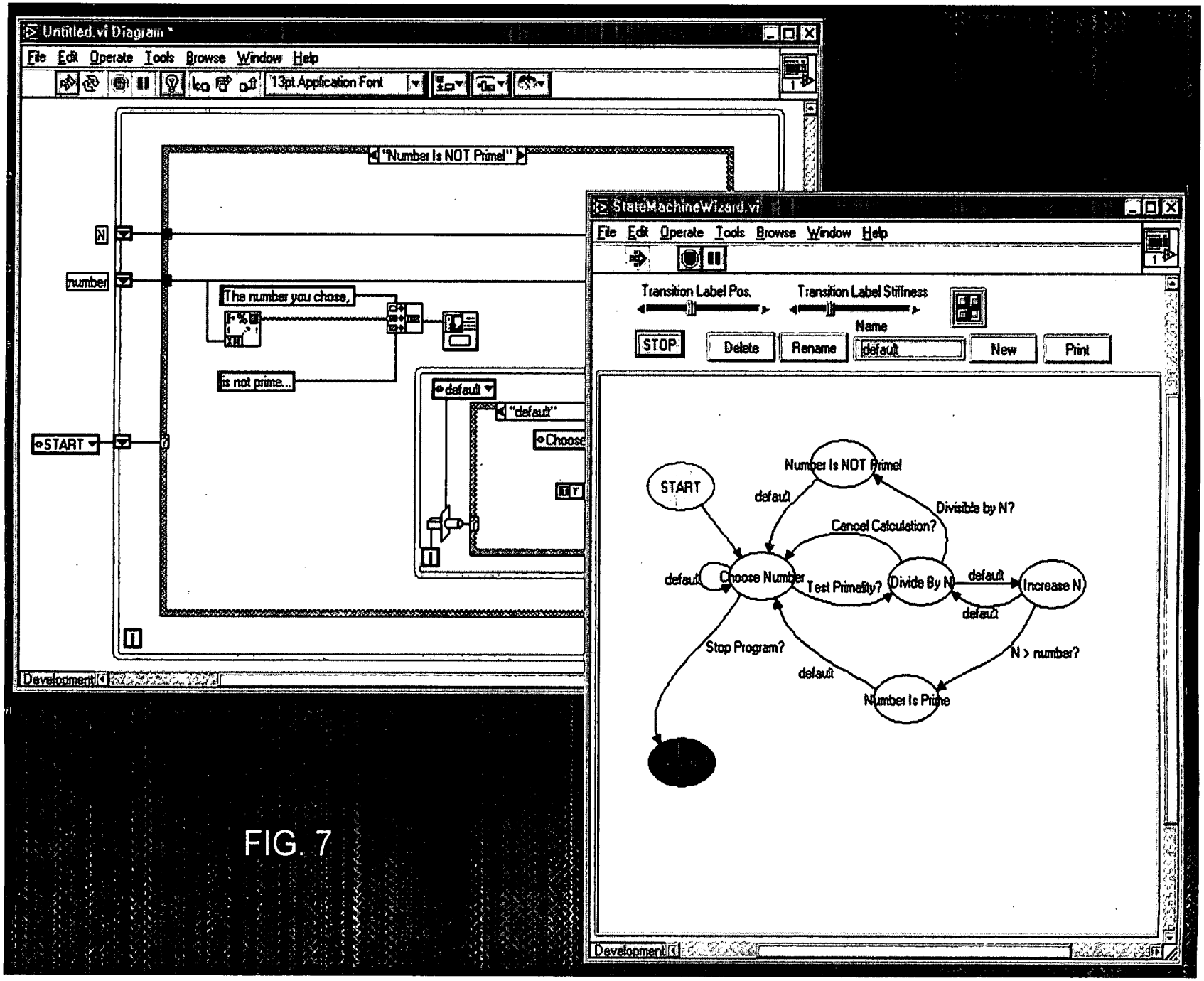
Untitled.vi Diagram *
File Edit Operate Tools Browse Window Help
13pt Application Font
"Number Is NOT Prime!"
N
number
The number you chose,
is not prime...
START
default
"default"
Development
StateMachineWizard.vi
File Edit Operate Tools Browse Window Help
Transition Label Pos.
Transition Label Stiffness
Name
STOP
Delete
Rename
default
New
Print
START
Number Is NOT Prime!
default
Divisible by N?
Cancel Calculation?
default
Choose Number
Test Primality?
Divide By N
default
Increase N
default
Stop Program?
N > number?
default
Number Is Prime
Development

FIG. 7

00022F 2625h260

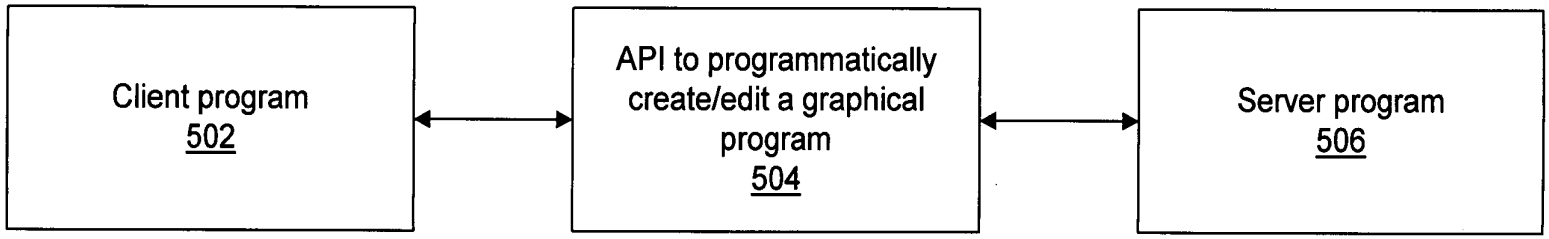

FIG. 8

Open Application Reference Node

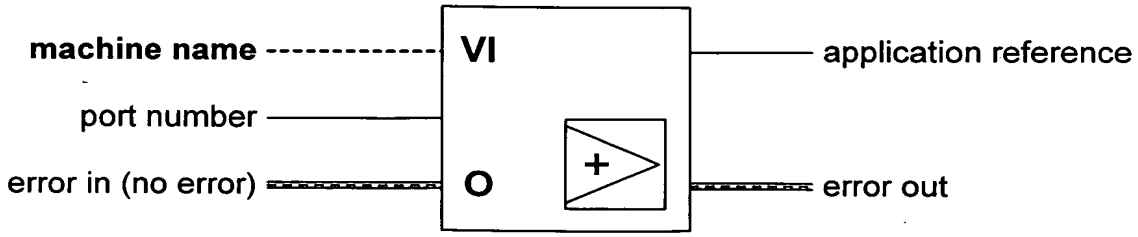

FIG. 9

Open VI Reference Node

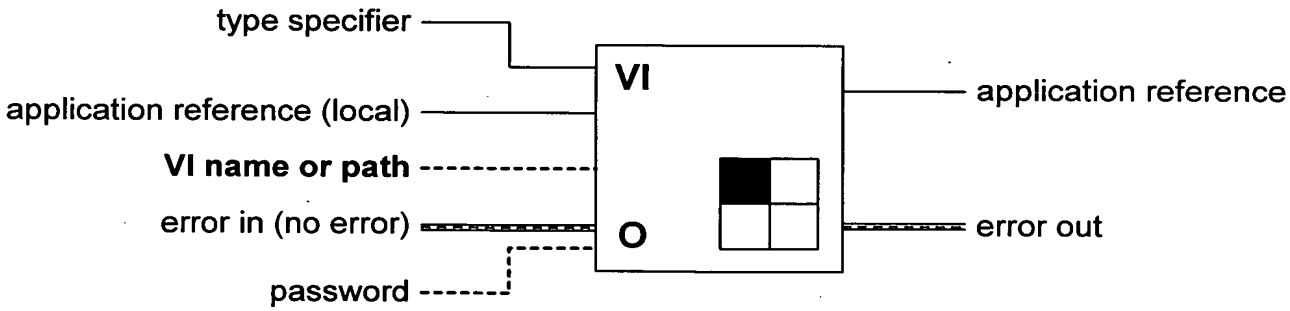

FIG. 10

Docket: 42200

New VI Reference Node

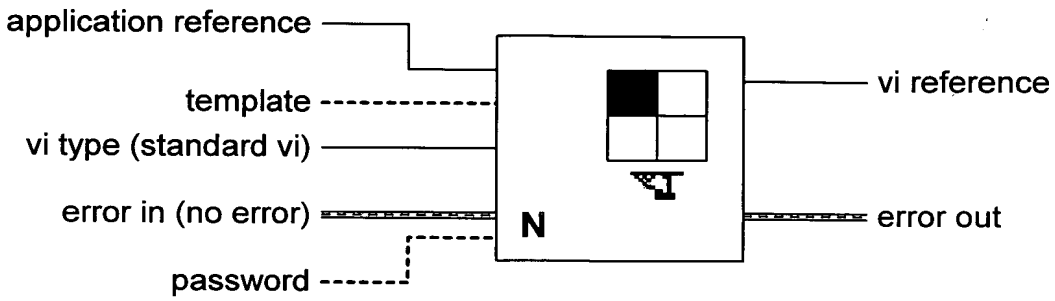

FIG. 11

Open VI Object Reference Node

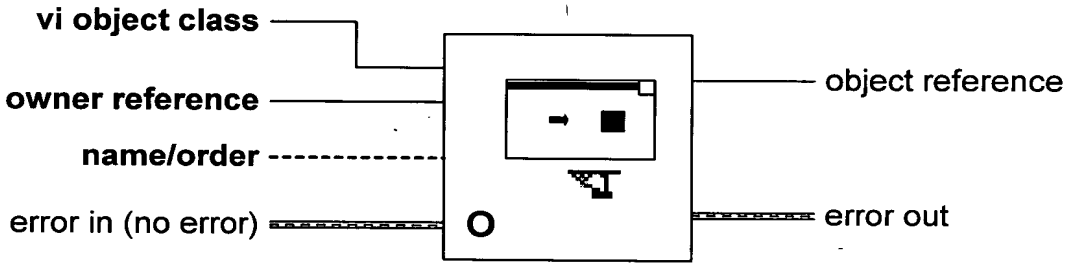

FIG. 12

Doc: 2005-12-09 15:45:26

D00227 - 2954760

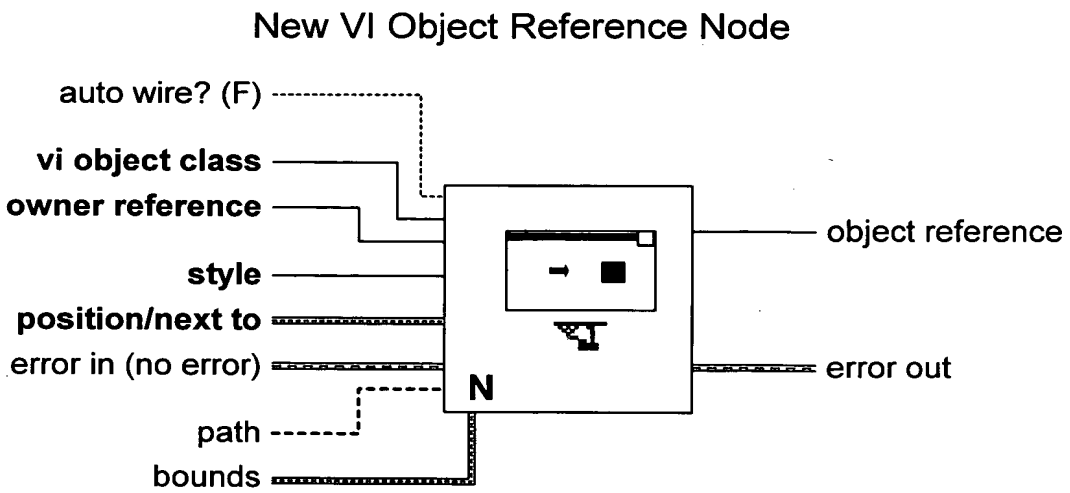

FIG. 13

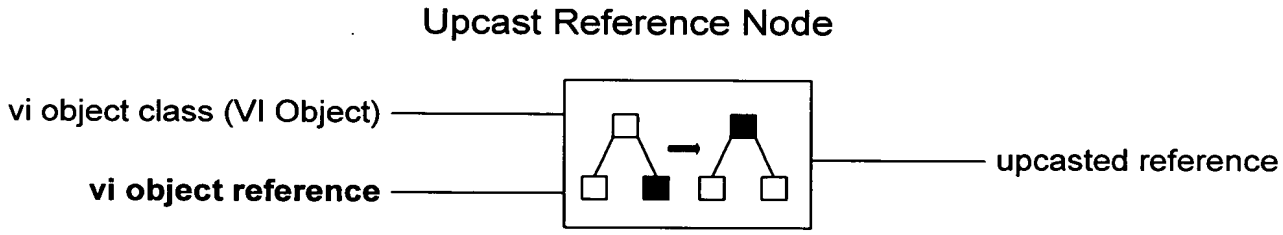

FIG. 14

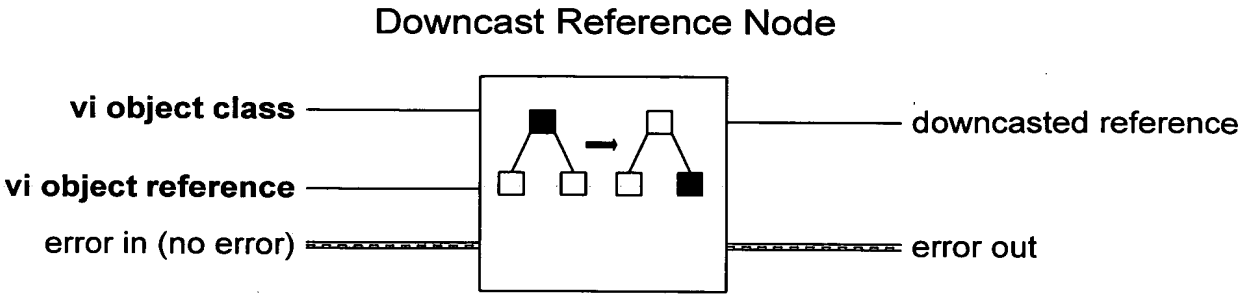

FIG. 15

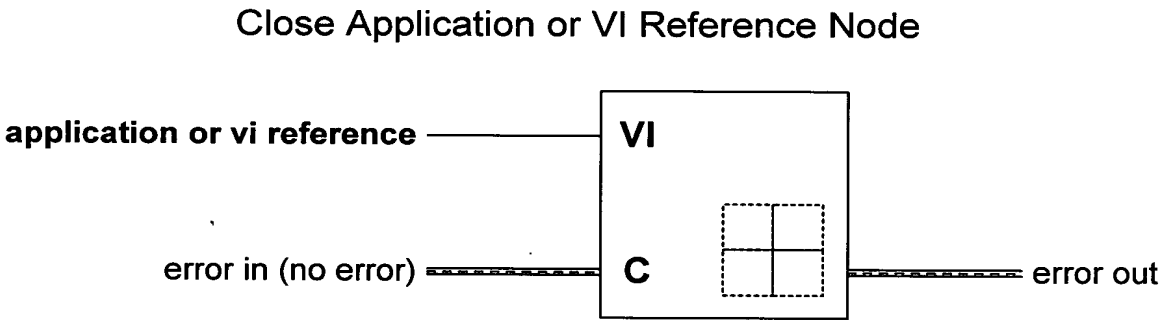

FIG. 16

09454269 - 071005

Call By Reference Node

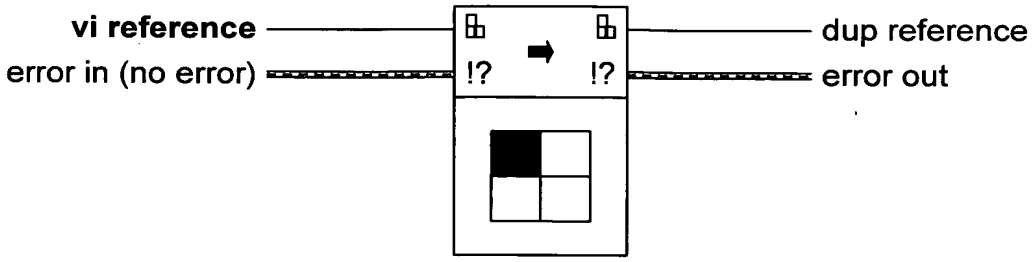

FIG. 17

Property Node

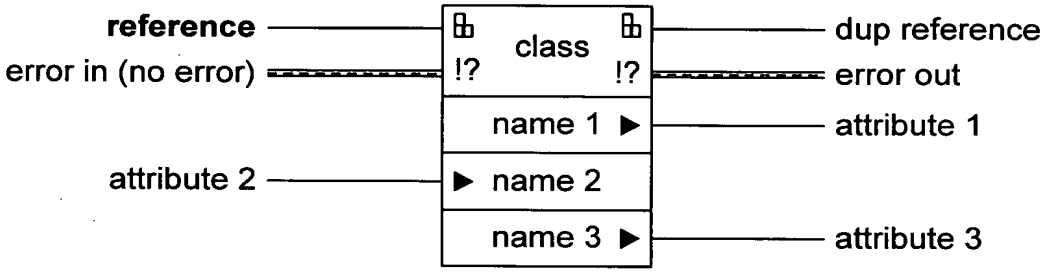

FIG. 18

Invoke Node

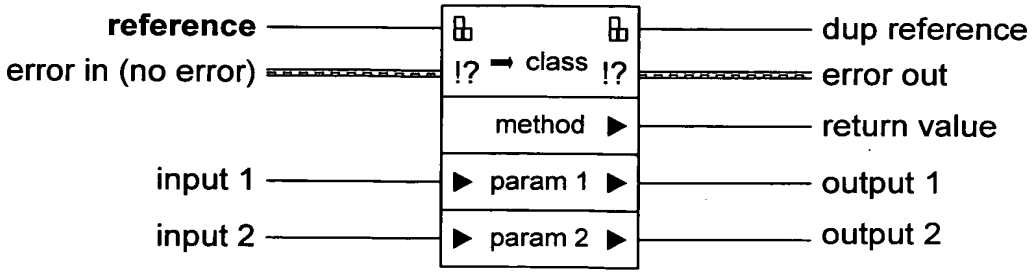

FIG. 19

09745209 - 120000

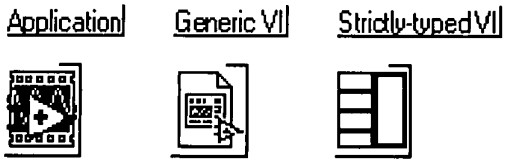

FIG. 20

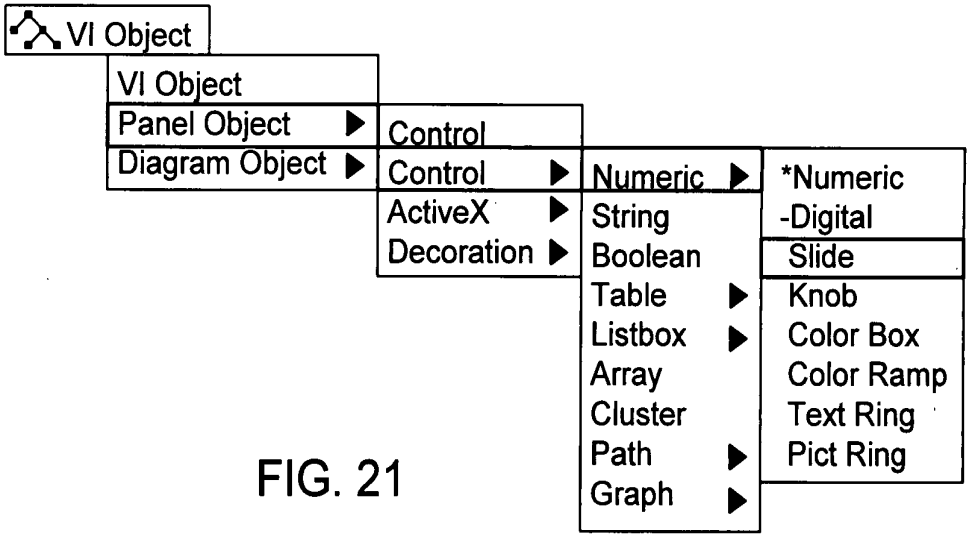

FIG. 21

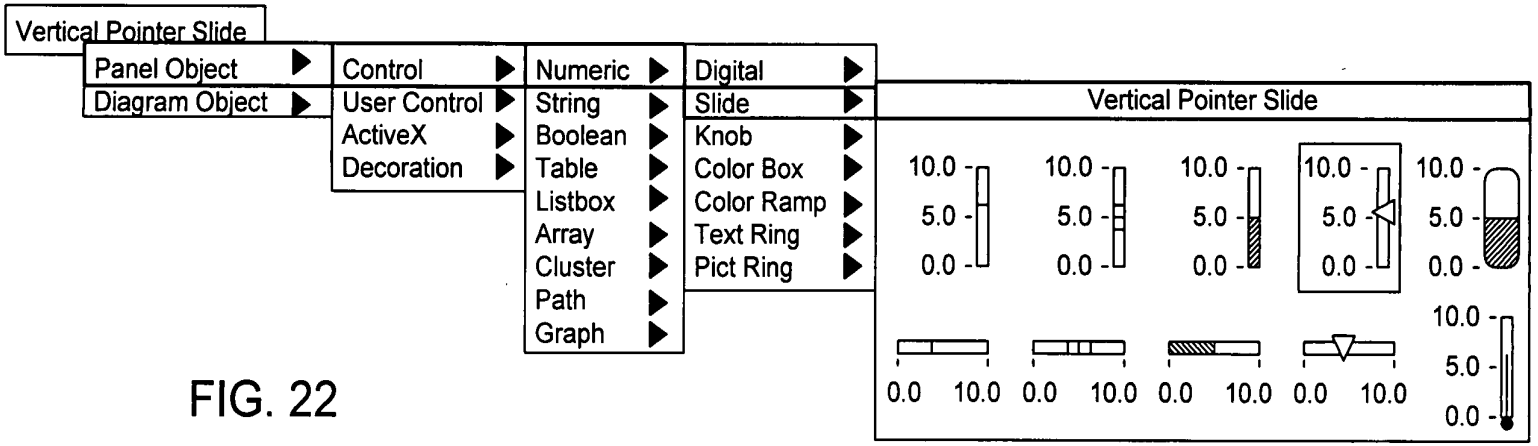

FIG. 22

00022F" 26259h260

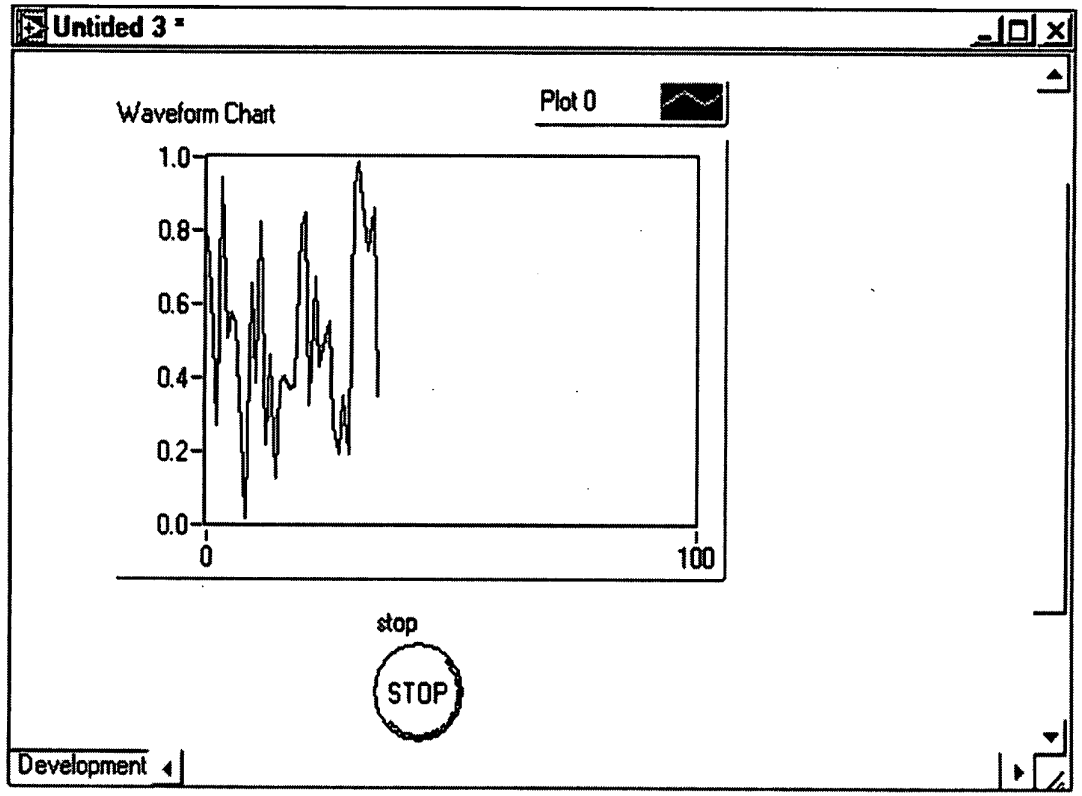

FIG. 23

00022T"Z625hZ60

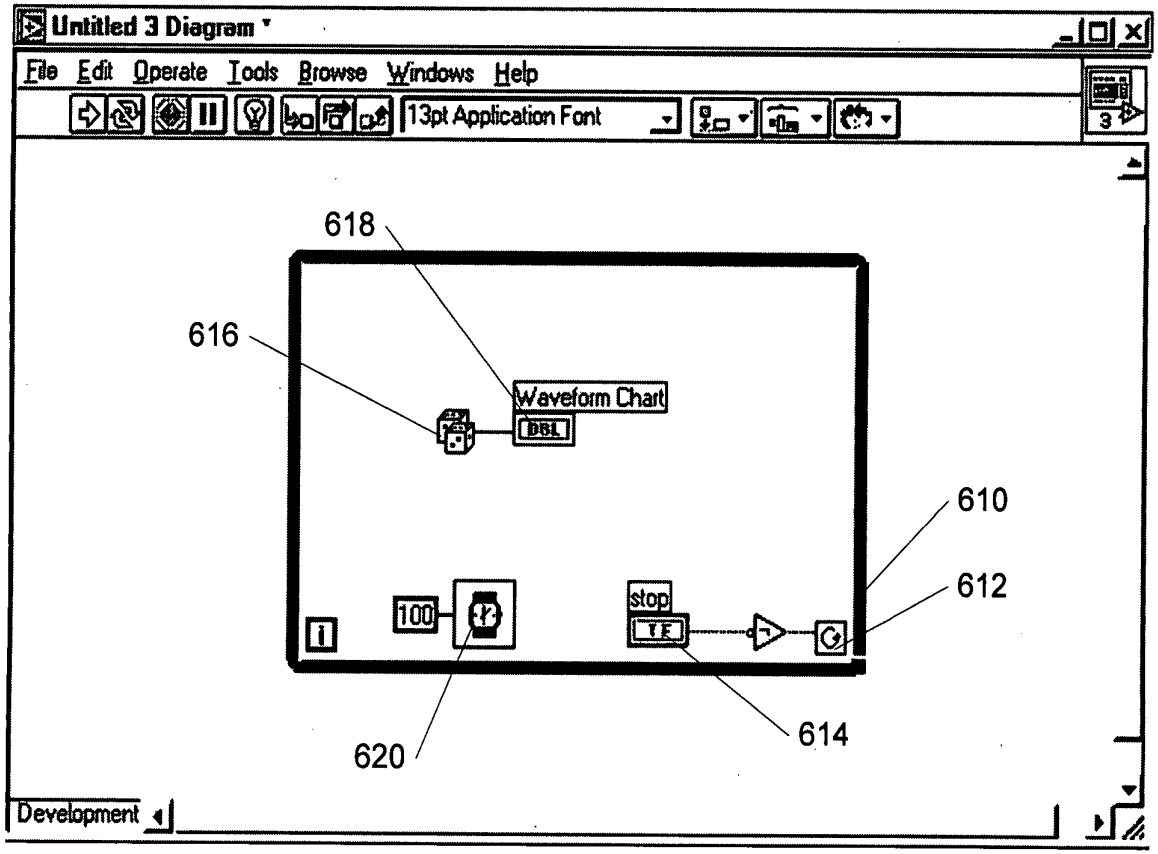

FIG. 24

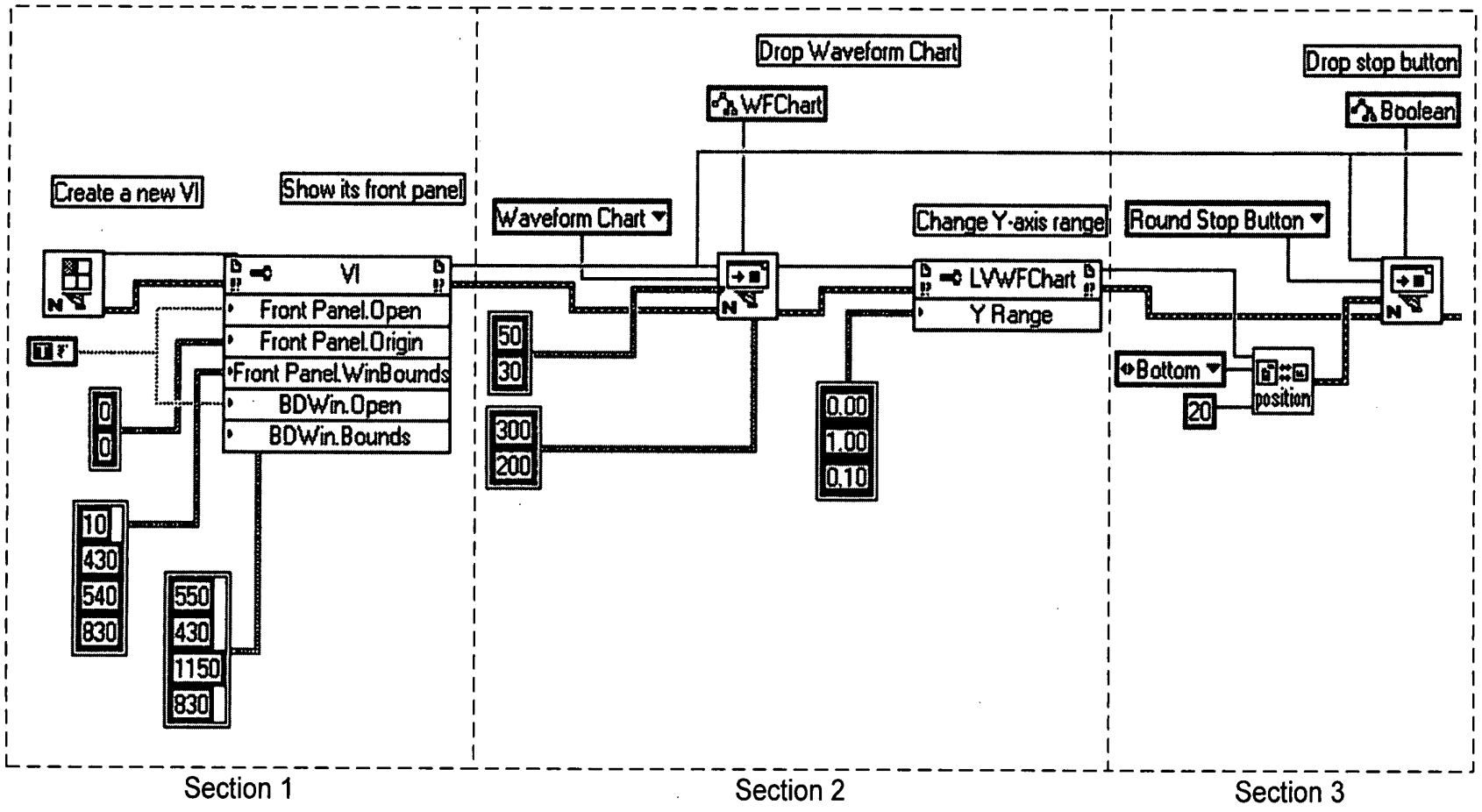
Drop Waveform Chart
WFChart
Drop stop button
Boolean
Create a new VI
Show its front panel
Waveform Chart
Change Y-axis range
Round Stop Button
VI
Front Panel.Open
Front Panel.Origin
Front Panel.WinBounds
BDWin.Open
BDWin.Bounds
LVWFChart
Y Range
Bottom
position
50
30
300
200
0.00
1.00
0.10
20
0
0
10
430
540
830
550
430
1150
830
Section 1
Section 2
Section 3

FIG. 25A

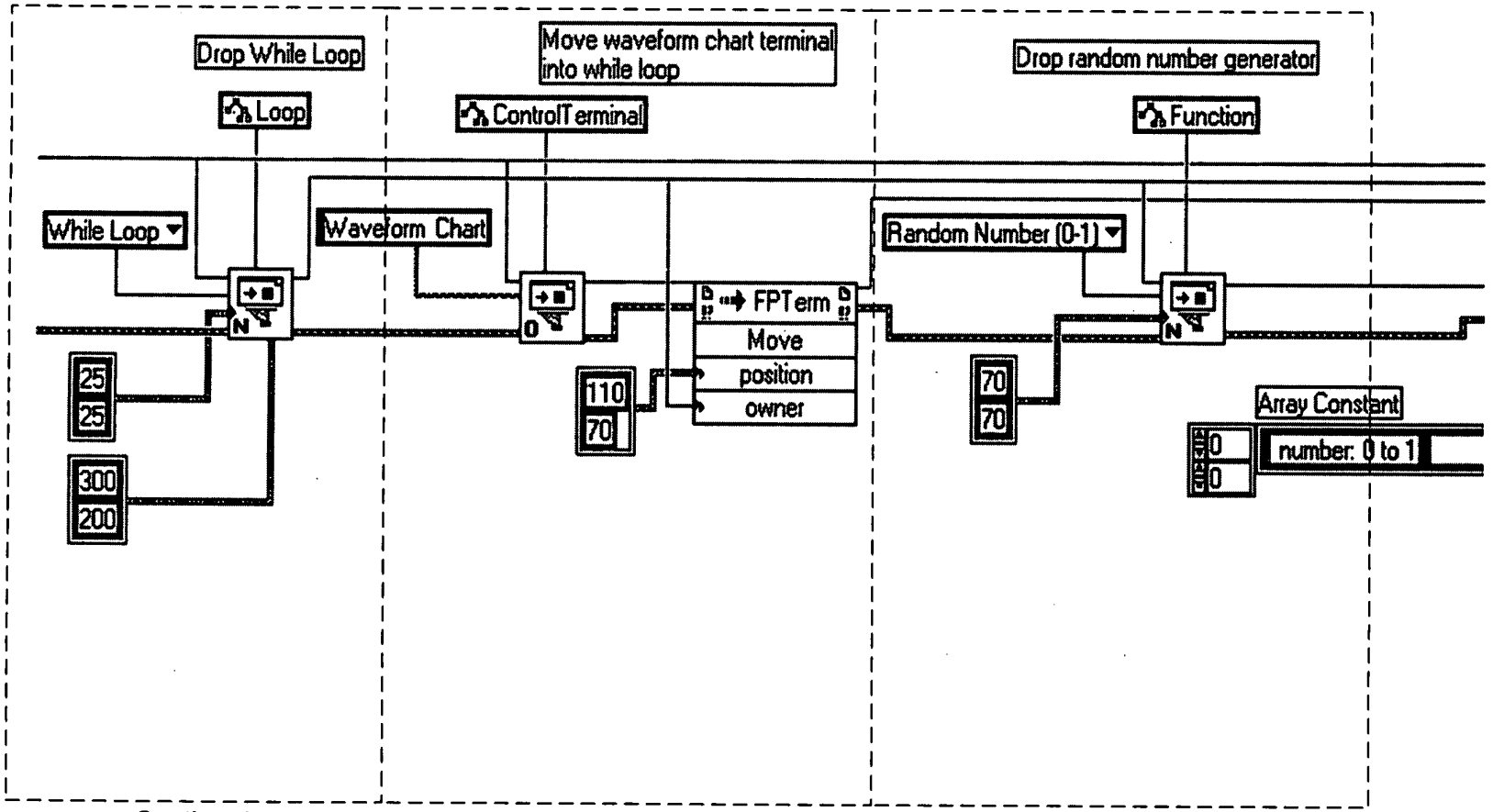

FIG.25B
(Continued)

000227 "2625h260

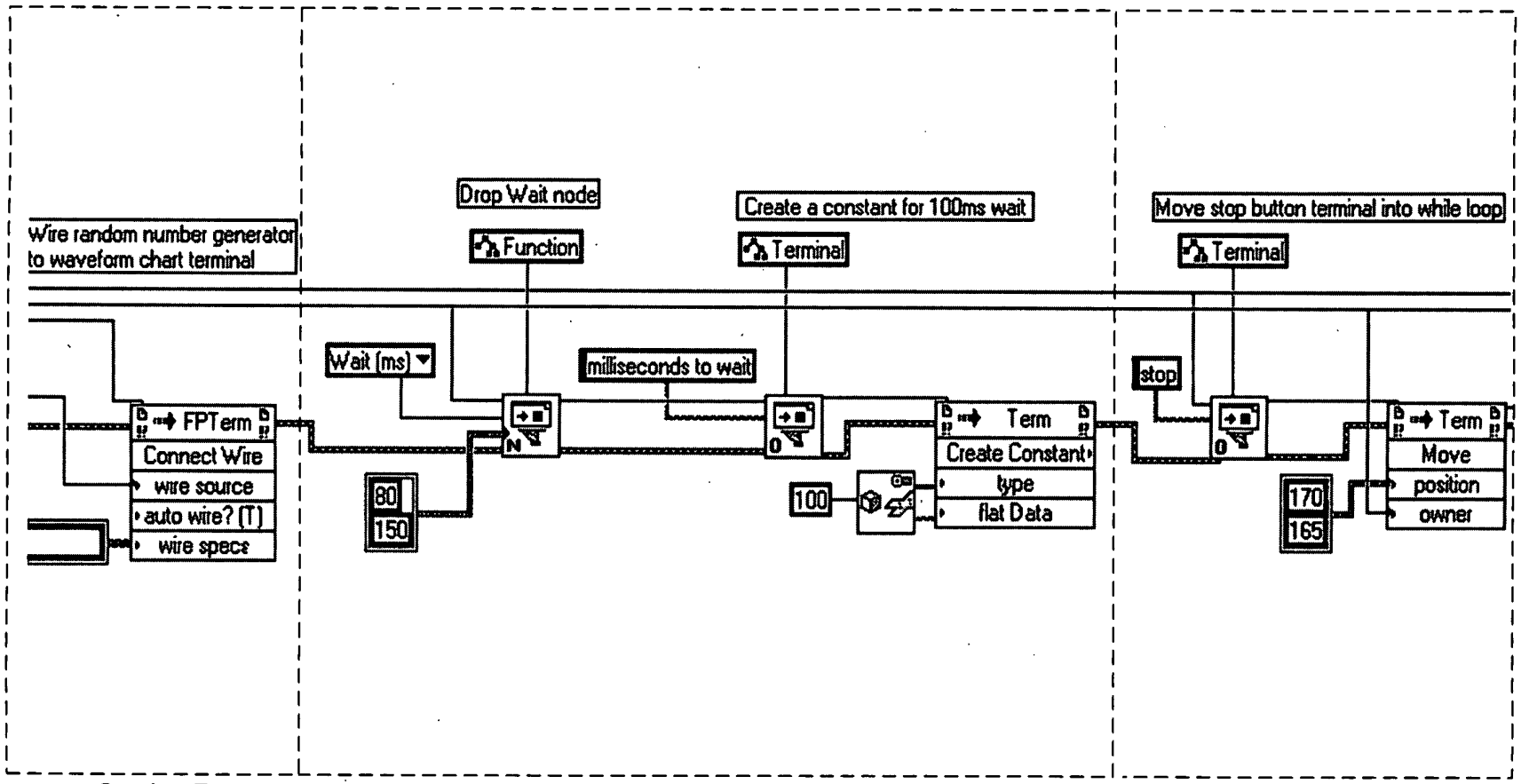

FIG.25C
(Continued)

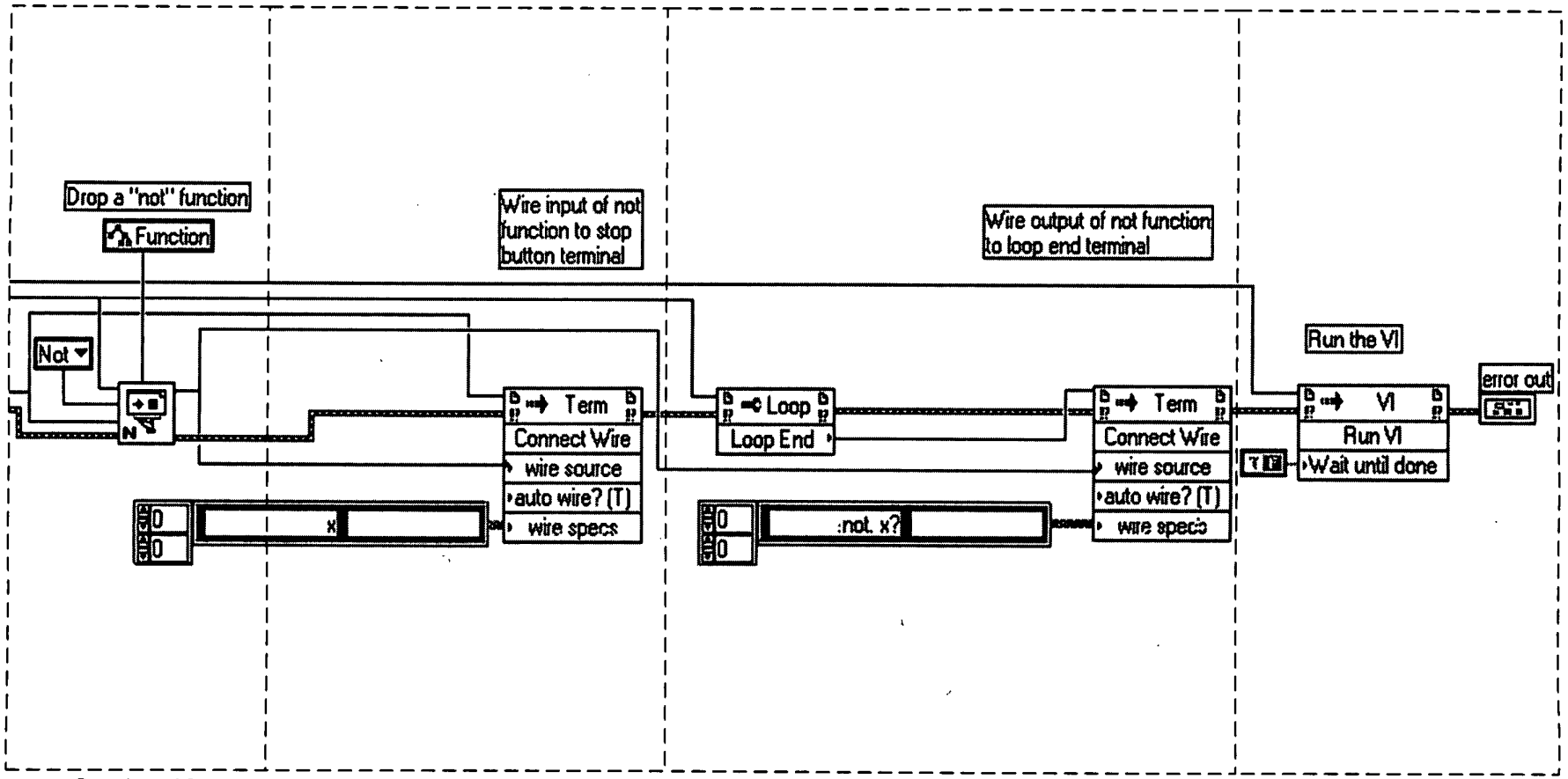

FIG. 25D
(Continued)